

REMARKS/ARGUMENTS

Reexamination of the captioned application is respectfully requested.

A. SUMMARY OF THIS AMENDMENT

By the current amendment, Applicants basically:

1. Editorially amend the specification.
2. Editorially amend the drawings.
3. Cancel claim 15 without prejudice or disclaimer.
4. Amend claims 1-14 and 16-33.
5. Add new claim 34-39.
6. Respectfully traverse all prior art rejections.

B. ALLOWABLE SUBJECT MATTER

Applicants appreciate Examiner's indication that claims 5, 9-11, 15 and 17-33 define allowable subject matter. *See Office Action, item 3 on page 7.*

C. AMENDMENT TO THE DRAWINGS

Electronically submitted on even date herewith are four sheets of corrected drawings that comply with the provisions of 37 C.F.R. § 1.84. The corrected formal drawings incorporate the following changes:

- In Figure 10, a reference number 66 referring to the second component output of the separator 65. *See e.g., page 14, lines 28-30 in the specification as originally submitted.*
- In Figure 11, acts 121 and 123 are changed to 122 and 124, respectively. *See e.g., page 15, line 5-11 in the specification as originally filed.*
- In Figure 12, acts 141 and 143 are renumbered as 142 and 144, respectively. *See e.g., page 15, line 13-19 in the specification as originally filed.*

- Figure 18 is amended to show that the output of the switch 68 is connected to the quadrature modulator 57. *See e.g., page 16, line 12-13 in the specification as originally filed.*

No new matter is added. Applicants respectfully request that the corrected formal drawings be approved and made of the record of the above-identified application.

D. PATENTABILITY OF THE CLAIMS

Claims 1-4, 6-8, 12-14 and 16 stand rejected under 35 USC §103(a) as being unpatentable over U.S. Patent 6,799,020 to Heidmann et al in view of U.S. Patent 6,748,021 to Daly et al. All prior art rejections are respectfully traversed for at least the following reasons.

Independent claim 1 recites, in part “said first modulation electing means being operable on a time slot basis”. It is clear that the Examiner considers this feature as not being taught or suggested by either Heidmann et al. or Daly et al. Thus, independent claim 1 is distinguishable over the combination of Heidmann et al. and Daly et al. Independent claim 14 is amended to recite the features of claim 15, which is indicated to include allowable subject matter. Therefore, claim 14 is distinguishable over the combination of Heidmann et al. and Daly et al. Claims 2-4, 6-8, 13-14 and 16 dependent from independent claims 1 or 14 directly or indirectly. Therefore, for at least the reasons stated above with respect to independent claims, independent claims are also distinguishable over the combination Heidmann et al. and Daly et al.

Applicants respectfully request that the rejection of claims 1-14, 6-8, 12-14 and 16 based on Heidmann et al. and Daly et al. be withdrawn.

E. MISCELLANEOUS

In view of the foregoing and other considerations, all claims are deemed in condition for allowance. A formal indication of allowability is earnestly solicited.

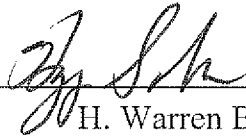
The Commissioner is authorized to charge the undersigned's deposit account #14-1140 in whatever amount is necessary for entry of these papers and the continued pendency of the captioned application.

Should the Examiner feel that an interview with the undersigned would facilitate allowance of this application, the Examiner is encouraged to contact the undersigned.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By: _____



H. Warren Burnam, Jr.

Reg. No. 29,366

Hyung N. Sohn

Reg. No. 44,346

HWB:HNS/lsh/edg

901 North Glebe Road, 11th Floor
Arlington, VA 22203-1808
Telephone: (703) 816-4000
Facsimile: (703) 816-4100

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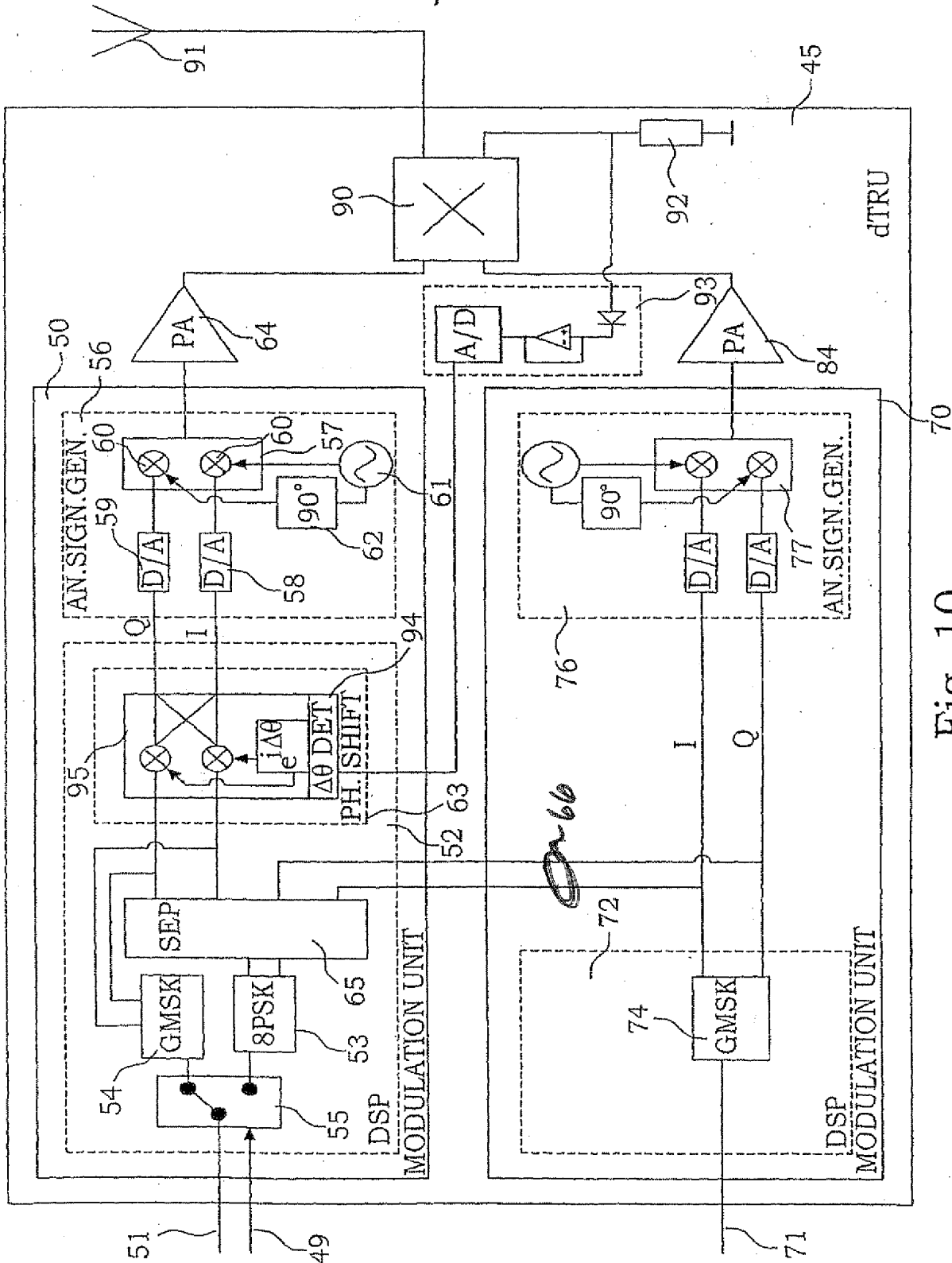


Fig. 10

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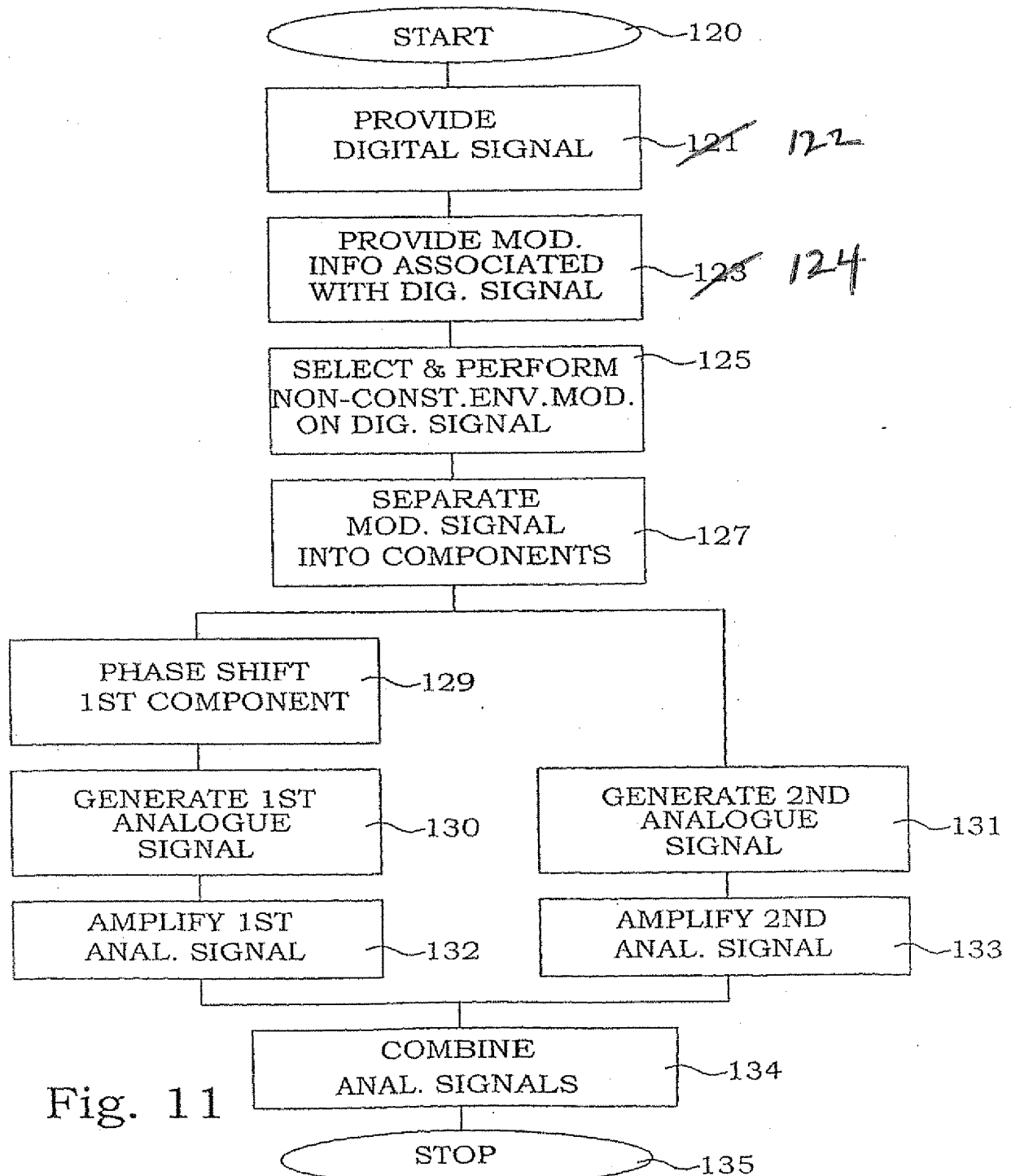


Fig. 11

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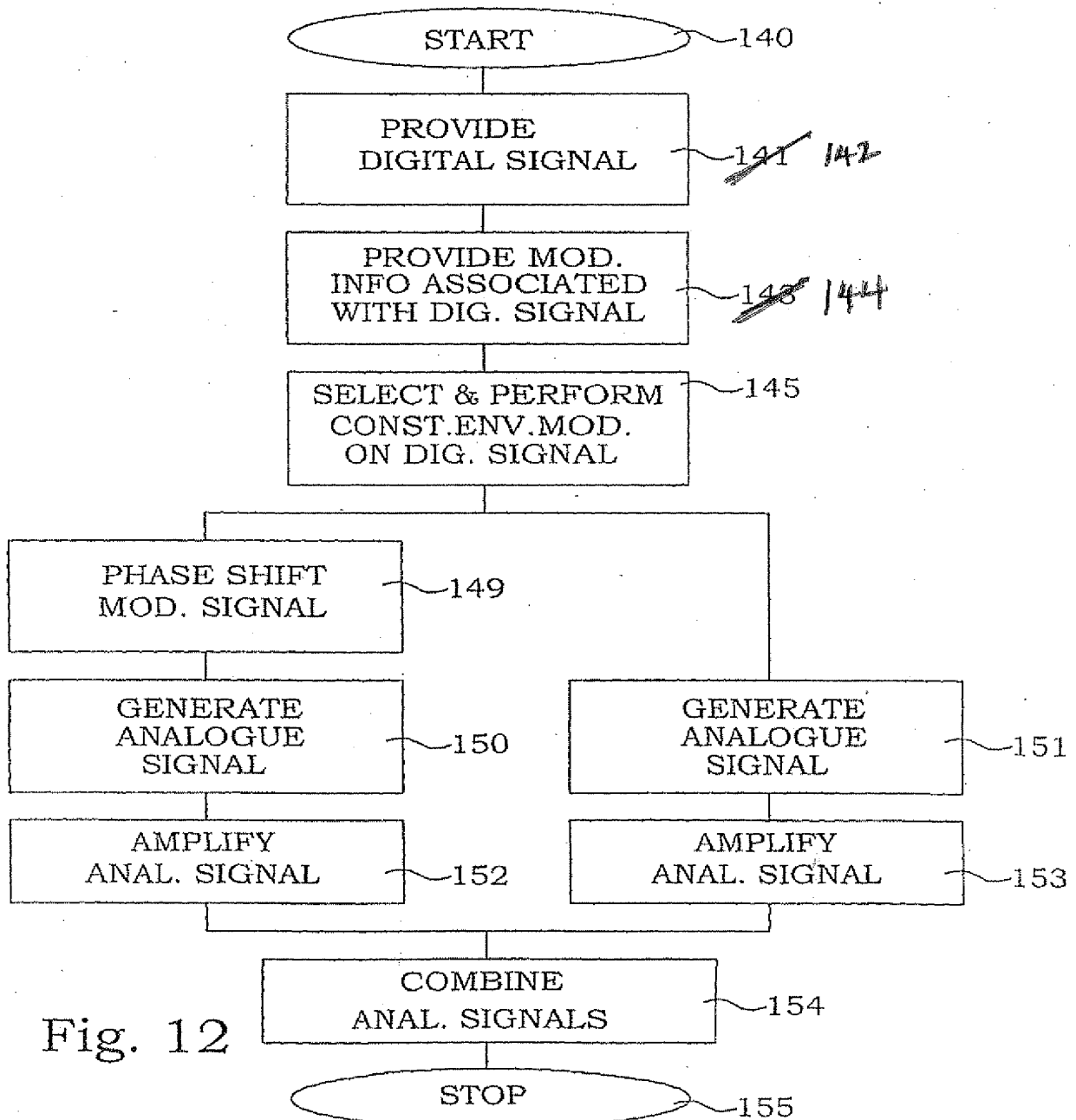


Fig. 12

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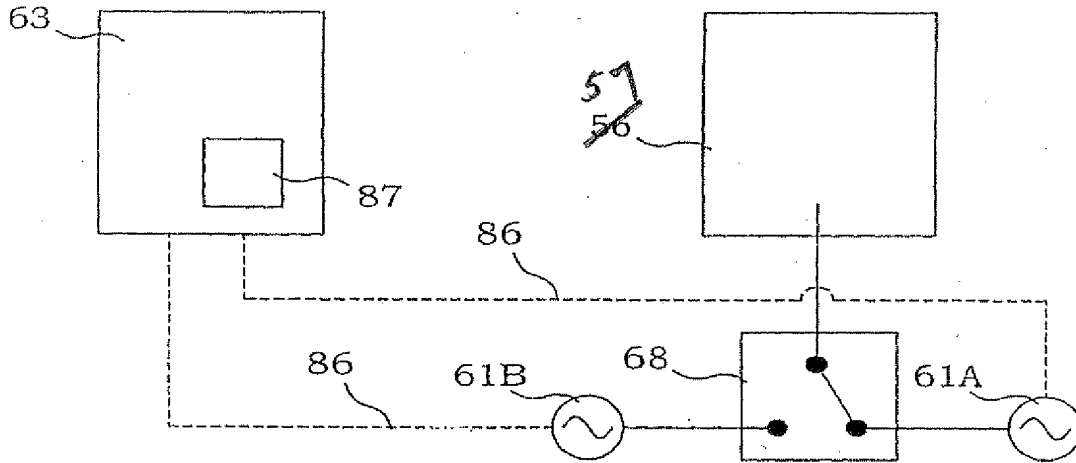


Fig. 18

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	A	B
f_1	$\Delta\theta_{A1}$	$\Delta\theta_{B1}$
f_2	$\Delta\theta_{A2}$	$\Delta\theta_{B2}$
f_3	$\Delta\theta_{A3}$	$\Delta\theta_{B3}$
f_4	$\Delta\theta_{A4}$	$\Delta\theta_{B4}$
	⋮	⋮

Fig. 19

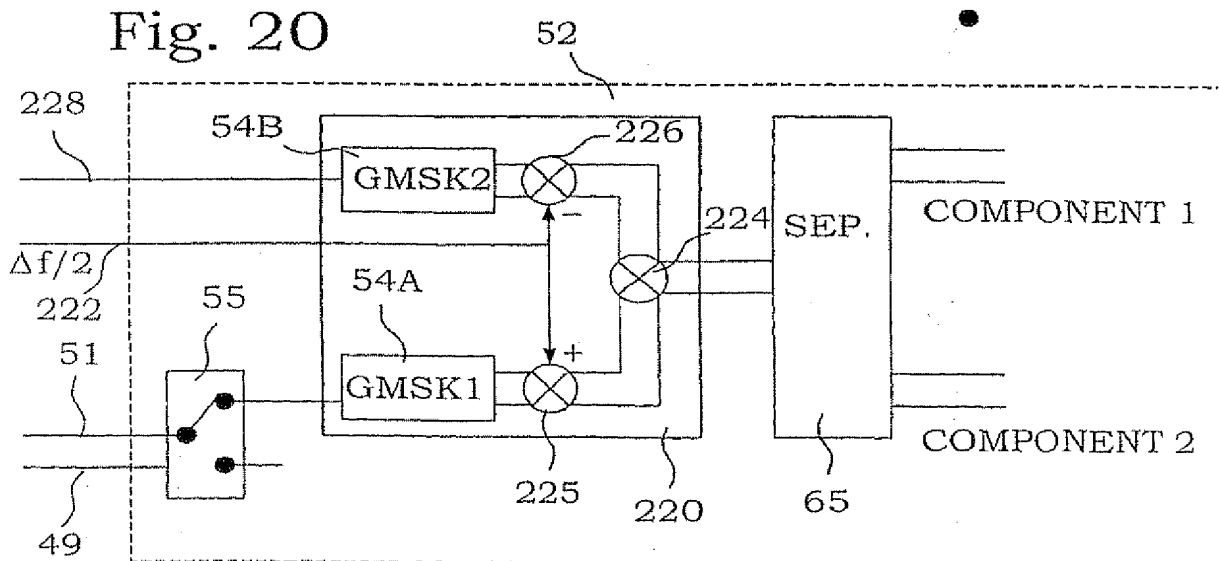


Fig. 20